#3/I.D.S.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT						Complete if Known							
						pplica	tion Number		09/982,968				
						iling D	ate		22 October 2001				
						irst Na	med Inventor		Charles B. GRISSOM				
						Group Art Unit			1635 CEIVE				
					E	xamin	er Name				JAN 0 7 2	002	
Sheet 1 of 2					А	Attorney Docket Number 2			231	317-107 JITED 1600/2			
					U.S.	PATE	ENT DOCUMEN	ITS			LEUN DENTER I	,00,-	
		ι	J.S. Pa	tent Docum	ent				otoo or Applica	Date of Publication			
Examiner Initials*	Number Kir			(ind C			f Patentee or Applicant f Cited Document			of Cited Document MM-DD-YYYY			
(12)	1	4758421					Goodwin et al.	Goodwin et al.			07-19-1988		
00	2	5047227					Rodwell et al.				09-10-1991		
	3	5428023					Russell-Jones et al.				06-27-1995		
	4	5512443					Schlom et al.				04-30-1996		
	5	5589463					Russell-Jones et al.			***	12-31-1996		
	6	5608046				Cook et al.				03-04-1997			
\bigvee	7	5763569				Brown et al.					06-09-1998		
				FC	OREI	GN PA	ATENT DOCUM	ENT	S			•	
		F	oreign	Patent Doo	cumer	nt					Date of Publication of		
Examiner Initials*	Number Number				Kind ⁵ Name of Patentee (Cited Doct				e of Applicant of Cited Documen		T ⁶		
12	_ 8	wo	95/2	7723			Morgan et	al.		10)-19-1995		
110									-				
	· · · · ·		0	THER PRIOF	RART	- NON	PATENT LITERAT	URE I	DOCUMENTS				
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published										T ²			
9 Russell-Jones, G.J., et al., "Vitamin B ₁₂ Mediated Oral Delivery Systems for Granulocyte-Colony Stimulating Factor and Erythropoietin", <i>Bioconjugate Chem.</i> , 1995, 6:459-465.													
Routier, S. et al., "Synthesis of metal complexes of 2,9-bis(2-hydroxyphenyl)-1,10-phenanthroline and their DNA binding and cleaving activities", <i>J Chem Soc Perin Trans</i> , 1998, 2:863-868.													
Examiner Signature			_2	\ ~					Date Considered	6	/25/03		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

	Complete if Known JAN 0 7	(A PAR SE	W.	- , ·		
1600	09/98 2T短 H CENTER	INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
	22 October 2001						
	Charles B. GRISSOM				5		
	1635	Group Art Unit					
		Examiner Name					
	2317-107	Attorney Docket Number	2	of	2	neet	Sh
	DOCUMENTS	RT - NON PATENT LITERATURE	HER PRIOR A	01			
T ²	the article (when appropriate), title of the c.), date, page(s), volume-issue number(s), ere published				Cite No.1		Exami Initi
7	Osinsky, S.P. et al., "Modifying Effect of Organocobalt Complexes on the Tumour Response to Anticancer Treatments", <i>Anticancer Res</i> , 1997, 17:3457-3462.						R
J	Ligand Charge in the DNA Binding and e Chem, 1997, 8:798-812.	of the Central Metal Ion and len Complexes", <i>Bioconjuga</i> l		•	12		U
Marzilli, L.G. et al., "Transfer of Organometallic Chemistry of Substituent Constants form Organic Chemistry. 1. Resolution of Longstanding Anomalies in the Chemistry of Organocobalt B ₁₂ Models and Organocobalamins", <i>J Am Chem Soc</i> , 1987, 109:6045-6052.							
A)	Vol'pin, M. et al., "New Course in the Search for Antitumor Agent: The Use of pH-Dependent Sources of Reactive Radicals", <i>Agnew Chem Int Ed Engl</i> , 1996, 35:2395-2396.						
WA	Natarajan, E.N and Grissom, C.B., "Magnetic Field Effects on the Photolysis of Alkyl-Cobalt Complexes", Abstracts of Papers of Am Chem Society, 1996, 213:17-INOR.						
1	ffects in Model B12 Enzymatic it Physik Chem, 1993, 182:181-188.				16		
	Verma, I.M. and Somia, N., "Gene therapy - promises, problems and prospects", <i>Nature</i> , 1997, 389:239-242.						
	essons and Obstacles to Success",			Crystal, R.G. Science, 199	18		
	nd", Trends Biochem Sci, 1998, 23:45-	tisense molecule is hard to fi	"A good an	Branch, A.D., 50.	19		
V	American, June 1997, 96-101.	ng the Obstacles", Scientific	"Overcomir	Friedman, T.,	20		
1	s to gene therapy", Bri Med Bull, 1995,	ey, C.T., "Non-viral appoache	. and Caske	Schofield, J.F 51:56-71.	21		
$\int \int$	ics", in <i>Antisense Research and</i> ger-Verlag, Berlin.	iples of Antisense Therapeut Agrawal, T. et al., eds., Spring			22		
	c Analogues of Cobalamin", in anerjee, R. ed., John Wiley & Sons,				23		1

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include dopy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind

Complete if Known 09/982,968 **Application Number** I PINFORMATION DISCLOSURE 22 October 2001 Filing Date STATEMENT BY APPLICANT Charles B. GRISSON First Named Inventor 2 6 2002 & 1635 **Group Art Unit** Not Assigned **Examiner Name** 2317-107 Attorney Docket Number 2 of Sheet 1 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Name of Patentee or Applicant of Cited Document of Cited Document Cite Examiner Kind Code² Number MM-DD-YYYY Initials* No.1 (if known) AUG 2 8 2002 TECH CENTER 1600/2900 FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication of **Cited Document** Name of Patentee of Applicant of Cite Examiner Kind^{5} Number⁴ T⁶ Office³ **Cited Document** MM-DD-YYYY No.1 Initials* (if known) Code 10/18/1990 Purdue Research Foundation WO 90/12095 Α1 12/08/1994 Biotech Australia Pty. Limited **A1** WO 94/28015 12/08/1994 Biotech Australia Pty. Limited Α1 94/27613 WO 02/15/1996 **A1** Amgen Inc.

Signature *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

Considered

6

WO

Examiner

96/04016

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

** الشير	·									
	5.		Complete if Known							
	¥		Application Number	09/982,968						
1 PURORMATIC STATEMENT	N DISCLOS	URE	Filing Date	001						
STA 6 NIENT	BY APPLIC	ANI	First Named Inventor	RISSON						
			Group Art Unit 1635							
RADEMARKOT			Examiner Name	Not Assigned						
Sheet 2	of	2	Attorney Docket Number	2317-107						
	OTHER F	PRIOR ART	- NON PATENT LITERATU	IRE DOCUMEN	NTS					
Examiner Cite No.1	Include n item (book,	of the article (when appropriate), title of the etc.), date, page(s), volume-issue number(s), where published								
93	Cobalamin Co	P.M. Pathare et al., "Synthesis of Cobalamin-Biotin Conjugates that Vary in the Position of Cobalamin Coupling. Evaluation of Cobalamin Derivative Binding to Transcobalamin II," 6148 Bioconjugate Chemistry 7(20): 217-232, March/April 1996, XP 000558422.								
	A. Bayomi et April 13, 1997	A. Bayomi et al., "Triggered Release of Chlorambucil from an Inactive Bioconjugate," p. 123, April 13, 1997, XP-001073706 (online abstract).								
	A. Bayomi et S297, Septen	A. Bayomi et al., "Preparation and Study of Photolabile Cobalt-Antitumor Drug Conjugates," S297, September 1996, XP-001073707 (online abstract).								
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										
			·		44					
		-								
			-							
	RECEIVED									
TECH CENTER 1600/2900										
· ·				<u> </u>	H CENIEW 1000/5200					
Examiner Signature	93			Date Considered	6 /2 4/03	}				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through c in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.